FIG. 1

```
  1   mqrlgatllc lllaaavpta papaptatsa pvkpgpalsy pqeeatlnem freveelmed
 61   tqhklrsave emeaeeaaak assevnlanl ppsyhnetnt dtkvgnntih vhreihkitn
121   nqtgqmvfse tvitsvgdee grrsheciid edcgpsmycq fasfqytcqp crgqrmlctr
181   dseccgdqlc vwghctkmat rgsngticdn qrdcqpglcc afqrgllfpv ctplpvegel
241   chdpasrlld litwelepdg aldrcpcasg llcqphshsl vyvckptfvg srdqdgeill
301   prevpdeyev gsfmeevrqe ledlerslte emalgepaaa aaallggeei
```

FIG. 2

```
   1  ggcacgaggg ggcggcggct gcgggcgcag agcggagatg cagcggcttg gggccaccct
  61  gctgtgcctg ctgctggcgg cggcggtccc cacggccccc gcgcccgctc cgacggcgac
 121  ctcggctcca gtcaagcccg gcccggctct cagctacccg caggaggagg ccaccctcaa
 181  tgagatgttc cgcgaggttg aggaactgat ggaggacacg cagcacaaat tgcgcagcgc
 241  ggtggaagag atggaggcag aagaagctgc tgctaaagca tcatcagaag tgaacctggc
 301  aaacttacct cccagctatc acaatgagac caacacagac acgaaggttg gaaataatac
 361  catccatgtg caccgagaaa ttcacaagat aaccaacaac cagactggac aaatggtctt
 421  ttcagagaca gttatcacat ctgtgggaga cgaagaaggc agaaggagcc acgagtgcat
 481  catcgacgag gactgtgggc ccagcatgta ctgccagttt gccagcttcc agtacacctg
 541  ccagccatgc cggggccaga ggatgctctg cacccgggac agtgagtgct gtggagacca
 601  gctgtgtgtc tggggtcact gcaccaaaat ggccaccagg ggcagcaatg ggaccatctg
 661  tgacaaccag agggactgcc agccggggct gtgctgtgcc ttccagagag gcctgctgtt
 721  ccctgtgtgc acacccctgc ccgtggaggg cgagctttgc catgacccccg ccagccggct
 781  tctggacctc atcacctggg agctagagcc tgatggagcc ttggaccgat gcccttgtgc
 841  cagtggcctc ctctgccagc cccacagcca cagcctggtg tatgtgtgca agccgacctt
 901  cgtggggagc cgtgaccaag atggggagat cctgctgccc agagaggtcc ccgatgagta
 961  tgaagttggc agcttcatgg aggaggtgcg ccaggagctg gaggacctgg agaggagcct
1021  gactgaagag atggcgctgg gggagcctgc ggctgccgcc gctgcactgc tgggagggga
1081  agagatttag atctggacca ggctgtgggt agatgtgcaa tagaaatagc taatttattt
1141  ccccangtgt gtgctttaag cgtgggctga ccaggcttct tcctacatct tcttcccagt
1201  aagtttcccc tctggcttga cagcatgagg tgttgtgcat ttgttcagct cccccaggct
1261  gttctccagg cttcacagtc tggtgcttgg gagagtcagg cagggttaaa ctgcaggagc
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1381  tttgttctac atggctttga taattgtttg aggggaggag atggaaacaa tgtggagtct
1441  ccctctgatt ggttttgggg aaatgtggag aagagtgccc tgctttgcaa acatcaacct
1501  ggcaaaaatg caacaaatga attttccacg cagttctttc catgggcata ggtaagctgt
1561  gccttcagct gttgcagatg aaatgttctg ttcaccctgc attacatgtg tttattcatc
1621  cagcagtgtt gctcagctcc tacctctgtg ccagggcagc attttcatat ccaagatcaa
1681  ttccctctct cagcacagcc tggggagggg gtcattgttc tcctcgtcca tcagggattt
1741  cagaggctca gagactgcaa gctgcttgcc caagtcacac agctagtgaa gaccagagca
1801  gtttcatctg gttgtgactc taagctcagt gctctctcca ctaccccaca ccagccttgg
1861  tgccaccaaa agtgctcccc aaaaggaagg agaatgggat ttttcttttg aggcatgcac
1921  atctggaatt aaggtcaaac taattctcac atccctctaa aagtaaacta ctgttaggaa
1981  cagcagtgtt ctcacagtgt ggggcagccg tccttctaat gaagacaatg atattgacac
2041  tgtccctctt tggcagttgc attagtaact ttgaaaggta tatgactgag cgtagcatac
2101  aggttaacct gcagaaacag tacttaggta attgtagggc gaggattata aatgaaattt
2161  gcaaaatcac ttagcagcaa ctgaagacaa ttatcaacca cgtggagaaa atcaaaccga
2221  gcagggctgt gtgaaacatg gttgtaatat gcgactgcga acactgaact ctacgccact
2281  ccacaaatga tgttttcagg tgtcatggac tgttgccacc atgtattcat ccagagttct
2341  taaagtttaa agttgcacat gattgtataa gcatgctttc tttgagtttt aaattatgta
2401  taaacataag ttgcatttag aaatcaagca taaatcactt caactgctaa aaaaaaaaaa
2461  aaaaaaaaaa aaaaaaaaa
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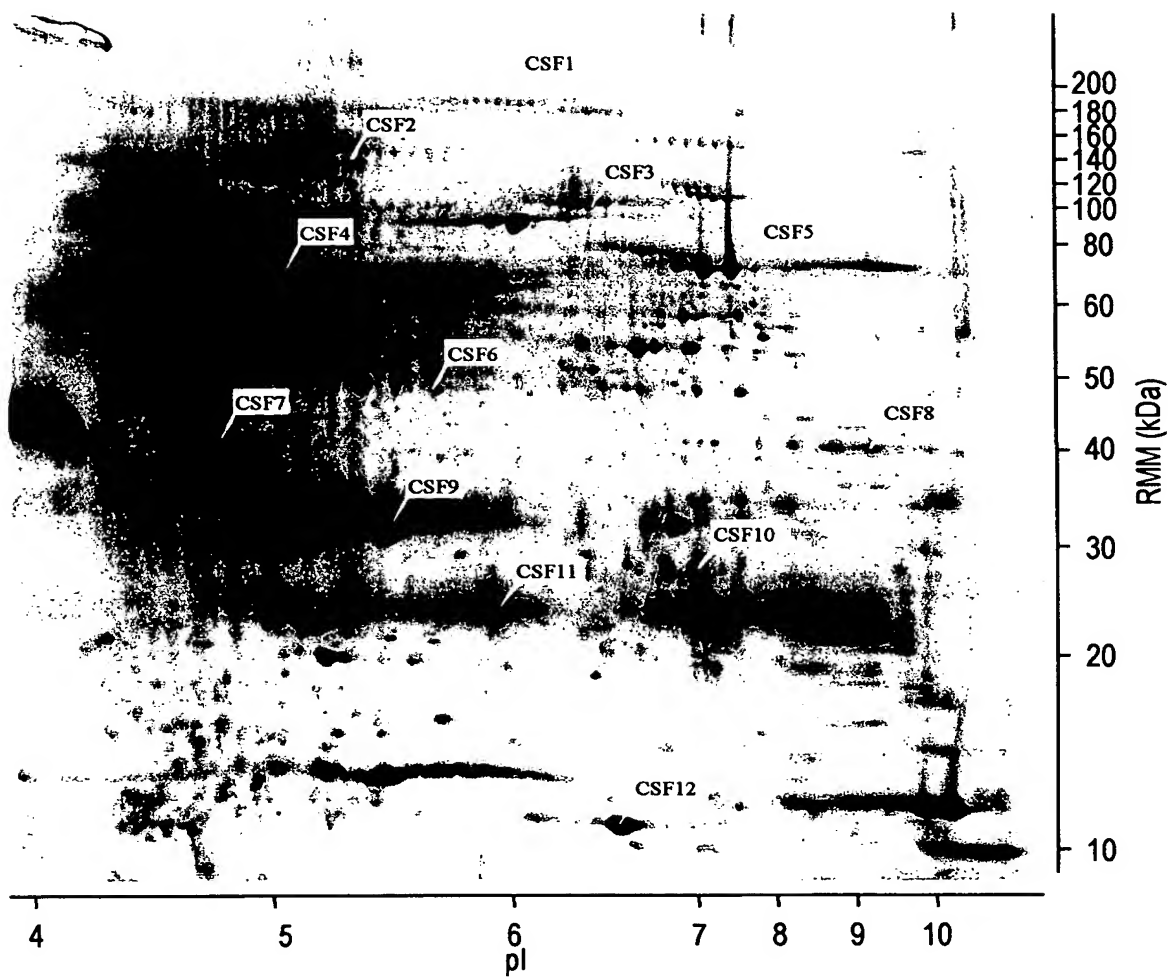
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FIG. 3

DQDGEILLPR

FIG. 4

FIG. 5